

**AMENDMENTS TO THE ABSTRACT**

Please replace the Abstract of the Invention with the following amended Abstract:

A system for performing dimension checkings of mechanical pieces is provided including~~[[es]]~~ a contact detecting probe ~~[[ (4) ]]~~ with wireless transmission, for example through ~~by means of~~ a single radiofrequency two-way communication link ~~[[ (14) ]]~~, to and from ~~with respect to~~ a base station ~~[[ (10) ]]~~ connected to an interface unit ~~[[ (11) ]]~~. The probe includes a logic unit ~~[[ (36) ]]~~ and a memory unit ~~[[ (38) ]]~~ in which ~~[[there]]~~ reside the values of some operation parameters, for example the transmission frequency and/or the activation mode of the probe. The values of the operation parameters can be modified in a programming phase, according to a method that foresees the wireless transmission of control signals from a manually operated control device – ~~carried out, for example, in the interface unit~~ – to the probe, for ~~giving the~~ updating of the values among the selectable values of a sequence residing in the probe, and the acquisition of the current value. ~~The generation of the former control signals is activated by manually operating keys of the interface unit on the basis of information – regarding the parameter under consideration and its associated current value – observable on a display, for example in the interface unit, information visualized on the basis of signals transmitted from the probe.~~